

Appl. No.: 10/804,814
Amdt. Dated: 04/05/2007
Off. Act. Dated: 01/16/2007

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (previously presented): An apparatus for controlling the operation of a continuously variable transmission (CVT) having hydraulically operated primary and secondary pulleys with varying effective diameters, and a drive belt coupling the primary pulley to the secondary pulley, comprising:

a programmable controller; and

means associated with said controller for mapping rate of change of ratio to clamping pressure and/or differential pressure between said pulleys in said CVT, and for dynamically controlling acceleration and deceleration of said vehicle from rate of change of ratio;

a primary pump fluidly connected to said primary pulley;

a secondary pump fluidly connected to said secondary pulley;

wherein said primary and secondary pumps are not fluidly connected; and

a torque clipping algorithm is used to throttle back the torque to the primary pulley when the clamping pressure is insufficient to prevent slipping of said drive belt.

2. (canceled)

3. (previously presented): An apparatus for controlling the rate of change ratio in a continuously variable transmission (CVT) having hydraulically operated primary and secondary pulleys with varying effective diameters, and a drive belt coupling the primary pulley to the secondary pulley, comprising:

a programmable controller;